

IN THE CLAIMS:

Please cancel Claims 1-6 and insert therefore the following new claims:

7. (New) A composition of matter comprising:

a support which comprises an inspectible surface;

a plurality of oligonucleotides provided on said surface, at least some of said oligonucleotides being provided with a chemiluminescent precursor, which precursor can be converted to a chemiluminescent moiety which can be triggered to chemiluminesce.

8. (New) A composition of matter of Claim 7, wherein said plurality of oligonucleotides includes nucleotides of different base sequences, such that together they may be used for analysis of the sequence of a nucleic acid expressed by an organism.

9. (New) A method of detecting the presence of a nucleic acid of predetermined sequence in a sample, comprising exposing the composition of matter of Claim 7 to said sample under conditions which promote the hybridization of said nucleic acid of predetermined sequence to at least one of said oligonucleotides, and inspecting said surface after any hybridization event may have occurred, where hybridization is indicated by release of chemiluminescence from said array.

REMARKS

Applicants have amended the specification to insert the priority into the specification.

Entry is respectfully requested. Support is generally provided at pages 29 - 32 (Protocols 3 - 5).